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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/731,508	12/10/2003	Fu-Yin Wang	BHT-3230-79	4643

7590 03/25/2005

TROXELL LAW OFFICE PLLC
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FALLS CHURCH, VA 22041

EXAMINER

SOLAK, TIMOTHY P

ART UNIT	PAPER NUMBER
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3746

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/731,508	Applicant(s) WANG, FU-YIN	
	Examiner Timothy P. Solak	Art Unit 3746	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 December 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION***Drawings***

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "12" has been used to designate both a "desired area" (page 6, lines 11-13 and page 7, line 13) and a "support part" (page 6, line 5).

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The abstract of the disclosure is objected to because it exceeds 150 words in length. Correction is required. See MPEP § 608.01(b).

The disclosure is objected to because of the following informalities:

- Recitation of "the l" on page 8, line 6, is not clear in context.

- o Recitation of "Claims" on page 8, last line, may cause confusion at the time of printing and should be deleted.

Appropriate correction is required.

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: --Cooling Fan with Power Cord Retainer--.

Claim Objections

Claims 1-3 are objected to because of the following informalities:

- * Recitation of "which used" in Claim 1, line 5, would be clearer if written as --used--.
- * Recitation of "the outer edge" in Claims 2-3, lines 1-2, would be clearer if written as --an outer edge--.
- * Recitation of "on said socket" in Claim 1, line 3, would be clearer if rewritten as --in said socket--.
- * Recitation of "connected the axis" in Claim 1, line 7; would be clearer if rewritten as --connected to the axis--.

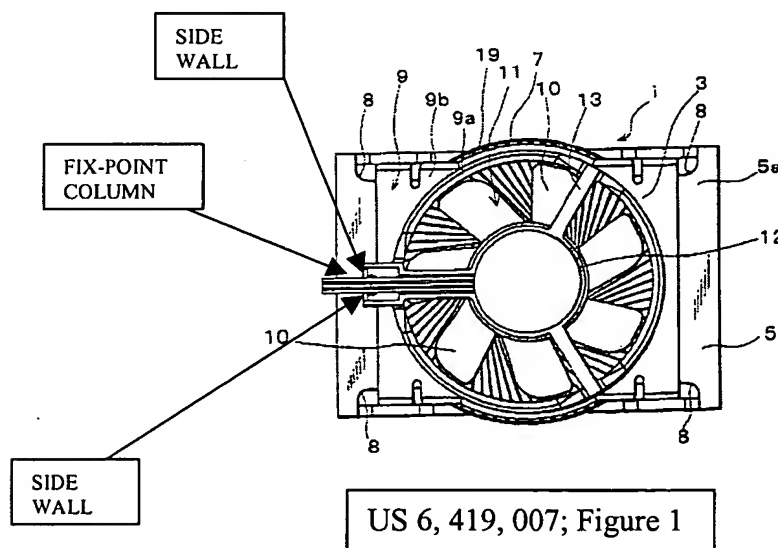
Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ogawara et al. (6,419,007), in view of Saito (5,979,541). Ogawara et al. teach a fan 3 having a frame 9b, a motor 12, a fan wheel 11, a socket (not labeled, but clearly seen in Figure 2 as the center top section surrounding the motor) and at least one support part 13 between the frame and the socket positioning the central part of the frame. Ogawara et al. further teach a collective-wire channel (not labeled, but clearly seen in Figure 1) on one side of the support part having two sidewalls (protrusions on the outside sections) protruding from the frame and at least one fix-point column (protrusion between sidewalls) arranged at regular distances forming opens free spaces contained between two side walls and at least one fix-point column forming one restricted area.



Although Ogawara et al. teach most of the limitations of the claim, including a fan having a motor; they do not disclose the specifics of the motor. Saito disclosing a fan assembly, specifically teach a fan frame 34 having a socket 35, a fan wheel 71 with a central axis 66, a motor mounted in said socket equipped with a stator 64 attached to said socket and a rotor 74 connected to the axis of said fan wheel. Saito teaches the fan's design advantageously simplified assembly of the unit (column 2, lines 54-62). Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have used the motor design taught by Saito, in the pump disclosed by Ogawara et al., to have advantageously simplified assembly of the unit.

Claims 2-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ogawara et al., in view of Saito (both mentioned previously), in further view of Scherer et al. (5,370,558). Although Ogawara et al. teach most of the limitations of the claims, including a collective-wire channel; they do not disclose beveled or hook-like surfaces on the sidewalls and fix-point columns. Scherer et al., disclosing a wire retainer, specifically teach a series of protrusions (see Figure 3) having beveled 19 or hook-like 18 surfaces. Scherer et al. teach the beveled and hook-like surfaces advantageously separated the wires (column 2, lines 13-16). Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have used the beveled or hook-like surfaces taught by Scherer et al., in the pump disclosed by Ogawara et al., to have advantageously separated the wires.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Carr (4,944,689) teaches a beveled or hook shaped wire retainer.
- Taniguchi (6,174,145) teaches a fan having a wire channel with a beveled surface.
- Watanabe et al. (6,375,418) teach a fan having a wire in a support part.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy P. Solak whose telephone number is 571 272-4833. The examiner can normally be reached on Monday through Friday from 10am to 6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on 571 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Timothy P. Solak
Examiner
Art Unit 3746
March 19, 2005

